

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/006362

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08J7/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 4 283 442 A (MACHI SUEO ET AL) 11 August 1981 (1981-08-11)</p> <p>column 1, lines 5-15 column 3, lines 40-47 examples 1,2</p> <p>----- -/--</p>	<p>1, 3-9, 12-15, 18-20, 22-26, 28-32</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

14 October 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 5 019 260 A (GSELL THOMAS C ET AL) 28 May 1991 (1991-05-28)</p> <p>column 1, lines 11-16 column 3, lines 6-26,65-68 column 4, lines 63-68 column 5, lines 19-31,48-68 column 6, lines 60-63 column 9, lines 13-32 examples 1,5</p>	<p>1,2, 4-10, 13-15, 18-20, 22-26, 28,30-32</p>
X	<p>EP 0 535 750 A (DONEGANI GUIDO IST) 7 April 1993 (1993-04-07)</p> <p>page 3, lines 6-27,30-32,48-53 examples 1,2</p>	<p>1,2, 4-10, 13-15, 18-20, 22-26, 31, 33-38, 43-45</p>
X	<p>US 5 468 390 A (CRIVELLO JAMES V ET AL) 21 November 1995 (1995-11-21)</p> <p>column 1, lines 45-65 column 2, lines 30-45,61-67 column 3, lines 5-37 example 1</p> <p style="text-align: center;">----- -/--</p>	<p>1,2, 4-10, 13-16, 18-20, 22-26, 28, 32-38, 41,42, 45,48</p>

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>YANG X M ET AL: "Guided self-assembly of symmetric diblock copolymer films on chemically nanopatterned substrates" MACROMOLECULES, AMERICAN CHEMICAL SOCIETY, EASTON, PA, US, vol. 33, no. 26, December 2000 (2000-12), pages 9575-9582, XP002223275 ISSN: 0024-9297</p> <p>page 9576, column 1, lines 3-14</p> <p>Page 9576, column 2, the last two paragraphs</p> <p>Page 9577, column 1, the paragraph "Transmission Electron Microscopy"</p> <p>From page 9577, column 2, last paragraph beginning with "Figure 2" to page 9578, end of the second paragraph figure 3</p>	<p>1,3-11, 17,18, 23-26, 33-40,45</p>
X	<p>US 2003/008935 A1 (KUSANO HIROO ET AL) 9 January 2003 (2003-01-09)</p> <p>page 2, paragraphs '0012! and '0013! examples 1-3 claims 1-3,11</p>	<p>1-10, 12-15, 18-20, 22-26, 28, 30-32, 42, 44-46, 48,49</p>
X	<p>US 5 290 548 A (GOLDBERG EUGENE P ET AL) 1 March 1994 (1994-03-01)</p> <p>column 5, lines 25-55 column 10, lines 4-12,55-65 examples 1-13</p>	<p>1,2,4-9, 12-16, 18-20, 22-26, 28, 30-38, 41-49</p>

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/006362

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4283442	A	11-08-1981	JP 1231648 C	26-09-1984
			JP 55105966 A	14-08-1980
			JP 59006469 B	10-02-1984
US 5019260	A	28-05-1991	US 4906374 A	06-03-1990
			CA 2028177 A1	08-06-1991
			DE 69025287 D1	21-03-1996
			DE 69025287 T2	27-06-1996
			EP 0431494 A2	12-06-1991
			GB 2240981 A , B	21-08-1991
			JP 2559533 B2	04-12-1996
			JP 4126531 A	27-04-1992
			CA 1323855 C	02-11-1993
			DE 3779075 D1	17-06-1992
			DE 272841 T1	16-11-1989
			EP 0272841 A2	29-06-1988
			GB 2199331 A , B	06-07-1988
			JP 2039072 C	28-03-1996
			JP 7067527 B	26-07-1995
			JP 63302908 A	09-12-1988
			KR 9600655 B1	11-01-1996
EP 0535750	A	07-04-1993	IT 1251576 B	17-05-1995
			AT 138955 T	15-06-1996
			DE 69211272 D1	11-07-1996
			DE 69211272 T2	19-12-1996
			DK 535750 T3	26-08-1996
			EP 0535750 A1	07-04-1993
			ES 2087435 T3	16-07-1996
			GR 3020391 T3	30-09-1996
			US 5304404 A	19-04-1994
US 5468390	A	21-11-1995	NONE	
US 2003008935	A1	09-01-2003	JP 2000159914 A	13-06-2000
US 5290548	A	01-03-1994	US 4806382 A	21-02-1989
			US 4961954 A	09-10-1990
			US 5080893 A	14-01-1992
			US 5130160 A	14-07-1992
			WO 9518840 A1	13-07-1995
			US 5108776 A	28-04-1992
			US 5100689 A	31-03-1992
			US 6387379 B1	14-05-2002
			AT 81593 T	15-11-1992
			AU 594233 B2	01-03-1990
			AU 1327488 A	13-10-1988
			DE 3875364 D1	26-11-1992
			DE 3875364 T2	11-03-1993
			EP 0286433 A2	12-10-1988
			JP 2707497 B2	28-01-1998
			JP 64002644 A	06-01-1989
			US 5094876 A	10-03-1992
			US 5350573 A	27-09-1994
			US 6010692 A	04-01-2000
			US 6464970 B1	15-10-2002
			US 5632979 A	27-05-1997
			US 5140016 A	18-08-1992

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International Application No  
**PCT/EP2004/006362**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5290548	A	US 6086907 A	11-07-2000
		US 2003208281 A1	06-11-2003
		CA 2052836 A1	06-04-1992
		EP 0551383 A1	21-07-1993
		JP 6502782 T	31-03-1994
		WO 9205694 A1	16-04-1992
		JP 9506665 T	30-06-1997
		CA 2052783 A1	06-04-1992
		WO 9205696 A1	16-04-1992
		CA 2052831 A1	06-04-1992
		EP 0551309 A1	21-07-1993
		EP 0782864 A1	09-07-1997
		JP 2566548 B2	25-12-1996
		JP 6502781 T	31-03-1994
		WO 9205695 A1	16-04-1992